

Notice of Allowability

Application No.

10/034,894

Examiner

Charles Chow

Applicant(s)

HWANG ET AL.

Art Unit

2685 2618

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 3/2/2006.
2. ☒ The allowed claim(s) is/are 21,23-31 and 34-42.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 3/22/2006.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

Detailed Action

1. This office action is for amendment received on 3/02/2006.

EXAMINER'S AMENDMENT

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment has been given from colleague for attorney Lew Edward Macapagal in a telephone interview on March 22, 2006.

Attorney has authorized examiner to amend claims 21, 38 as follows:

In claim 21, line 12, insert "internal" in front of the word "display".

In claim 38, replacing the last paragraph from line 10 to line 12, with the followings:

"wherein when a user interacts with the mobile communication terminal, the message content is automatically scroll-displayed on a second display of the mobile communication terminal".

Allowable Subject Matter

4. The following is an examiner's statement of reasons for allowance:

Claims 21, 23-31, 34-42 are allowable over the prior art of record, the prior art fails to teach allowable features singly, particularly, or in combination.

Applicant has canceled the rejected claims 32-33, and other non-canceled claims were allowed in the previous office action mailed 10/28/2005 [page 6 of applicant's amendment], for the allowable features, having a method for the internal, external, message display, of a

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mobile communication device communicating in a cellular communication network to send and receive message over the cellular communication network, in order to automatically scroll, display, the received message type, message list, & caller information & providing better call related information to user,

the receiving of a first message having message information and message content;

the displaying on **external display** of the mobile communication terminal with **the message information;** and

displaying on the **internal display** of the mobile communication terminal with **the message content,**

wherein after the first message is received the message information for the first message is **automatically scrolled on display after expiration of a predetermined time period, without user interaction,** for the purpose of causing the message information scroll, [independent **claim 21**];

the displaying on a **first display**, the caller information **by way of horizontally scrolling the caller information across the first display,** and

displaying on a **second display**, the **message content by way of vertically scrolling the message content,** in response to a one step user interaction such that the scrolling of the message content automatically continues without further user interaction until end of the message content for the first message is displayed [independent **claim 34**];

the **automatically scroll-displaying identification information and message content on a first display, after predetermined time period elapse, until end** of said at least one of the message identification information and message content **is reaches automatically,**

wherein **user may interact, to cause message content to be scroll-displayed on a second display** [independent **claim 38**].

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The dependent claims are also allowable due to their dependency upon the independent claim and comprising additional claimed features associated to the features of the independent claims.

The closest prior art from **Wagner (US 6,169,911 B1)** teaches a portable cellular telephone has graphic user interface [Fig. 3-5, abstract], the portable cellular telephone receiving email message having message information identifying a name from a icon, Sue @schwob.com, displayed on a auto-scroll ticker tape display 32, and the message content information is displayed on display 4 [Fig. 5; col. 6, lines 21-46; col. 4, line 34 to col. 5, line 7]. Wagner fails to teach the wherein after the first message is received the message information for the first message is automatically scrolled on the display after expiration of a predetermined time period without user interaction for the purpose of scroll; the displaying message information on external display, and the displaying message content on the internal display.

Lipp (US 5,933,088) teaches a pager receiver having auto-scroll sequence which is controlled for displaying message for a different time period, 8-12 seconds, to display a current message, then automatically scroll to display next portion of the message [steps in Fig. 3, Fig. 6-7], changing displaying period in [Fig. 10, col. 4, line 48 to col. 5, line 35; col. 9, line 54 to col. 10, line 7; col. 1, line 52 to col. 2, line 5]. Lipp fails to teach the mobile communication terminal and the displaying the message information on external, second, display, and displaying the message content on the internal display.

Other prior arts in below were also considered, but they fail to teach the above allowable features.

Kim (US 2003/0174,270 A1) teaches the mobile communication terminal which has both the internal main screen display 200a [Fig. 5], the external subscreen display 200b [Fig. 6] for displaying together the caller ID, received message, time and date temporal information on the outer screen 200b [0023]. Kim fails to teach the wherein after the first message is received the message information for the first message is automatically scrolled on the display after expiration of a predetermined time period without user interaction; the displaying the message information on external display, and displaying the message content on the internal display.

Kubo et al. (US 6,748,243B1) teaches a portable telephone comprises the first outer surface display 4 and a second inner surface display 8, the scroll navigation key 7 [Fig. 1B/2B, abstract], for identifying a caller & message [col. 1, lines 41-58].

Hama et al. (US 2002/0037,754 A1) teaches a communication terminal comprising first main display 102, Fig. 1b, and a second sub-display 118 [Fig. 1c, abstract, paragraph 0012-0015, 0060, 0064, 0078-0079], but having a later filing date.

Klausner et al. (US 5,572,576) teaches a caller's name and caller's telephone number are displayed on screen for scrolling [Fig. 12, Fig. 18-19], when the scroll display item is not selected [col. 1, lines 14-20, col. 2, lines 17-58].

Youn (US 2002/0019,251 A1) teaches the storing of the user selected portion of the displayed message, of the mobile telephone 10 [abstract, paragraphs 0003, 0008-0009, 0016, Fig. 1-3], using the STO, store, key, "save" key in [0025].

Khoshbin (US 2004/0104,808 A1) teaches the displaying of priority message on a wireless device [abstract, Fig. 1, Fig. 8a-8D] having soft multifunction key 3 which allows the different function to be performed by eh same multifunction key [0041], for the first key.

Any comments considered necessary by applicant must be submitted no later than the

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payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."


Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Charles C. Chow whose telephone number is (571) 272-7889. The examiner can normally be reached on 8:00am-5:30pm.

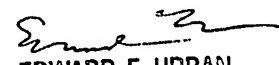
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Urban can be reached on (571) 272-7899. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Note: It is to notify that the art unit number has been changed to 2618.

Charles Chow 

March 11, 2006.


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